Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/30/2021 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123866	-1	1.33	123727	1.28
Blue	F	SSC	125000	123760	-1	2.96	123912	2.73
Blue	E	FITC	13131	12730	-4	2.24	293	14.97
Blue	D	PE	24112	23622	-3	1.65	542	10.04
Blue	B	PerCP-Cy5-5	31295	30809	-2	3.05	1021	13.74
Blue	A	PE-Cy7	19939	19888	-1	5.11	531	27.21
Red	C	APC	42122	41430	-2	3.06	1734	11.22
Red	A	APC-Cy7	22340	21762	-3	3.34	814	11.51
Violet	B	V450	7410	7060	-5	4.30	435	13.03
Violet	A	V500	28118	27121	-4	3.79	679	9.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22981	0.96	559	-10	N/A	N/A	Pass
Blue	F	SSC	57672	1.16	512	0	N/A	N/A	Pass
Blue	E	FITC	55	53.22	481	-6	0.0477	140	Pass
Blue	D	PE	114	36.61	483	-5	0.6450	521	Pass
Blue	B	PerCP-Cy5-5	192	33.79	579	-7	0.0227	75	Pass
Blue	A	PE-Cy7	107	64.38	621	-7	0.0256	5	Pass
Red	C	APC	401	23.36	575	-1	0.0291	166	Pass
Red	A	APC-Cy7	182	26.69	548	-3	0.0064	804	Pass
Violet	B	V450	60	62.82	455	2	0.0510	1838	Pass
Violet	A	V500	99	33.98	467	2	0.0273	939	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.08	-31.82	1.03
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.41
Red	17.01	13.60 - 20.40	N/A	N/A	30.18	30.43	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11218

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments